

United States Court of Appeals
for the Federal Circuit

VIRNETX INC.,
Appellant

v.

MANGROVE PARTNERS MASTER FUND, LTD.,
APPLE INC.,
Appellees

KATHERINE K. VIDAL, UNDER SECRETARY OF
COMMERCE FOR INTELLECTUAL PROPERTY
AND DIRECTOR OF THE UNITED STATES
PATENT AND TRADEMARK OFFICE,
Intervenor

2020-2271

Appeal from the United States Patent and Trademark
Office, Patent Trial and Appeal Board in Nos. IPR2015-
01046, IPR2016-00062.

VIRNETX INC.,
Appellant

v.

MANGROVE PARTNERS MASTER FUND, LTD.,
APPLE INC., BLACK SWAMP IP, LLC,

Appellees

**KATHERINE K. VIDAL, UNDER SECRETARY OF
COMMERCE FOR INTELLECTUAL PROPERTY
AND DIRECTOR OF THE UNITED STATES
PATENT AND TRADEMARK OFFICE,**

Intervenor

2020-2272

Appeal from the United States Patent and Trademark
Office, Patent Trial and Appeal Board in Nos IPR2015-
01047, IPR2016-00063, IPR2016-00167.

JUDGMENT

THIS CAUSE having been considered, it is

ORDERED AND ADJUDGED:

AFFIRMED

FOR THE COURT

March 30, 2023
Date

/s/ Peter R. Marksteiner
Peter R. Marksteiner
Clerk of Court